

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for planning a delivery of a good, comprising:
 - receiving a description of the good, a destination location, and a requested delivery date by a customer relations management module in a system having distinct modules;
 - determining, by a source, ~~[[an]]~~ availability date dates of the good at a set of ~~source location~~ locations comprising ~~[[an]]~~ origin origins for the good, the availability dates being determined independently of the requested delivery date;
 - selecting a selected source location, by a planner module, ~~from~~ the set of source ~~location~~ locations based on the availability date dates of the good at the set of source ~~location~~ locations;
 - determining, by a route generation engine module, a set of trips based on a set of geographic routes, transportation service provider information, and scheduling information;
 - selecting, by the route generation engine module, a trip from the set of trips based on a set of criteria; and
 - scheduling, by a scheduling engine module, the trip based on the requested delivery date such that the good is scheduled to be delivered from the

selected source location to the destination location substantially close to the requested delivery date.

2. (Previously Presented) The method of claim 1, wherein determining the set of trips comprises selecting one or more geographic routes from the set of geographic routes.

3. (Currently Amended) The method of claim 2, wherein selecting the one or more geographical routes comprises restricting the set of geographical routes based on a geographical classification for the selected source location and the destination location.

4. (Previously Presented) The method of claim 1, wherein determining the set of trips comprises selecting a transportation service provider for each geographic route.

5. (Original) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of dangerous goods.

6. (Original) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of closeness of a trip delivery date to the requested delivery date.

7. (Original) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of cost information.

8. (Original) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of customer information.

9. (Currently Amended) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of the availability date of the good corresponding to the selected source location.

10. (Currently Amended) The method of claim 9, wherein the set of criteria comprises at least one criterion representative of a trip departure date, on which the trip can depart from the selected source location, and wherein scheduling comprises confirming the trip if the availability date precedes or matches the trip departure date.

11. (Currently Amended) The method of claim 10, wherein scheduling further comprises selecting, if the trip is not confirmed, another trip based on the availability date of the good corresponding to the selected source location and the trip departure date.

12. (Currently Amended) A system for planning a delivery of a good, the system comprising:

a central processing unit;

a customer interface process configured for execution by the central processing unit, the customer interface process comprising instructions for receiving a description of the good, a destination location, and a requested delivery date, the good having an availability date determined independently of the requested delivery date;

a planning process initiated by the customer interface process comprising instructions for ~~selecting~~ determining availability dates for the good at a set of source location locations comprising ~~[[an]] origin~~ origins for the good based on ~~[[an]] availability date~~ dates of the good at the ~~set of~~ source location locations, the availability dates being determined independently of the requested delivery date, and instructions for selecting a selected source location from the set of source locations based on the availability dates of the good at the set of source locations; and

a scheduling process initiated by the customer interface process comprising instructions for:

initiating a route generation process comprising instructions for determining a set of trips based on a set of geographic routes, transportation service provider information, and scheduling information, wherein each trip comprises a trip departure date and a trip delivery date;

selecting a trip from the set of trips based on a set of criteria;
and
scheduling the trip based on the requested delivery date
such that the good is scheduled to be delivered from
the selected source location to the destination location
substantially close to the requested delivery date.

13. (Original) The system of claim 12, wherein the route generation process further comprises instructions for selecting at least one geographic route from the set of geographic routes.

14. (Currently Amended) The system of claim 13, wherein the route generation process further comprises instructions for restricting the set of geographical routes based on a geographical classification for the selected source location and the destination location.

15. (Original) The system of claim 12, wherein the route generation process further comprises instructions for selecting transportation service provider information and scheduling information corresponding to the set of geographic routes.

16. (Original) The system of claim 12, wherein the route generation process further comprises instructions for checking the set of trips for compliance with the set of

criteria, the set of criteria including at least one criterion representative of dangerous goods.

17. (Previously Presented) The system of claim 12, wherein the set of criteria comprises at least one criterion representative of closeness of the trip delivery date to the requested delivery date.

18. (Original) The system of claim 12, wherein the set of criteria comprises at least one criterion representative of cost information.

19. (Original) The system of claim 12, wherein the set of criteria comprises at least one criterion representative of customer information.

20. (Currently Amended) The system of claim 12, wherein the set of criteria comprises at least one criterion representative of the availability date of the good corresponding to the selected source location.

21. (Currently Amended) The system of claim 20, wherein the set of criteria comprises at least one criterion representative of a trip departure date, on which the trip can depart from the selected source location, and wherein the customer interface process further comprises instructions for confirming the trip if the availability date precedes or matches the trip departure date.

22. (Currently Amended) The system of claim 21, wherein the customer interface process further comprises instructions for initiating, if the trip is not confirmed, the scheduling process to select another trip based on the availability date of the good corresponding to the selected source location and the trip departure date.

23. (Currently Amended) A computer-readable medium containing computer-executable instructions to configure a data processor having distinct modules, the instructions, when executed by the data processor from the distinct modules, causing the data processor to perform a computer-implemented method for planning a delivery of a good, the computer-implemented method comprising:

receiving a description of the good, a destination location, and a requested delivery date by a customer relations management module;

determining, by a source, ~~[[an]]~~ availability date dates of the good at a set of source location locations comprising ~~[[an]] origin~~ origins for the good, the availability dates being determined independently of the requested delivery date;

selecting a selected source location, by a planner module, from the set of source ~~location~~ locations based on the availability date dates of the good at the set of source ~~location~~ locations;

determining, by a route generation engine module, a set of trips based on a set of geographic routes, transportation service provider information, and scheduling information;

selecting, by the route generation engine module, a trip from the set of trips based on a set of criteria; and

scheduling, by a scheduling engine module, the trip based on the requested delivery date such that the good is scheduled to be delivered from the selected source location to the destination location substantially close to the requested delivery date.

24. (Currently Amended) A system for planning a delivery of a good, the system comprising:

means for receiving a description of a good, a destination location, and a requested delivery date;

means for determining, by a source, ~~[[an]]~~ availability ~~date~~ dates of the good at a ~~set of source location~~ locations comprising ~~[[an]]~~ ~~origin~~ origins for the good, the availability ~~dates~~ being determined independently of the requested delivery date;

means for selecting a selected source location from the set of source location ~~locations~~ based on the availability ~~date~~ dates of the good at the set of ~~source location~~ locations;

means for determining a set of trips based on a set of geographic routes,
transportation service provider information, and scheduling information,
wherein each trip comprises a trip departure date and a trip delivery date;
means for selecting a trip from the set of trips based on a set of criteria; and
means for scheduling the trip based on the requested delivery date such that the
good is scheduled to be delivered from the selected source location to the
destination location substantially close to the requested delivery date.

25. (Currently Amended) A method for planning a delivery of a good
comprising:

receiving sales order information by a customer relation management module in
a system having distinct modules, the sales order information including a
description of the good, a destination location, and a requested delivery
date;

determining, by a source, ~~[[an]]~~ availability ~~date~~ dates of the good at a set of
~~source location~~ locations comprising ~~[[an]]~~ ~~origin~~ origins for the good, the
availability ~~date~~ dates determined independently of the requested delivery
date;

selecting a selected source location, by a planner module, from the set of source
locations based on the availability ~~date~~ dates for the good at the set of
~~source location~~ locations;

determining, by a route generation engine module, a set of trips based on a set of geographic routes, transportation service provider information, and the availability date of the good at the selected source location;
selecting, by the route generation engine module, a trip from the set of trips based on a set of criteria; and
scheduling, by a scheduling engine module, the trip based on the availability date of the good corresponding to the selected source location and the requested delivery date.

26. (Original) The method of claim 25 further comprising:

eliminating trips based on dangerous good data.

27. (Currently Amended) The method of claim 25, further comprising:

receiving an instruction for planning the delivery of the good as a rush order by a global available-to-promise module performing a global availability check, wherein planning comprises determining, selecting and scheduling the trip forward from the availability date of the good corresponding to the selected source location.

28. (Cancelled).

29. (Previously Presented) The method of claim 25, further comprising:

updating the sales order information with one or more dates corresponding to the scheduled trip.

30. (Currently Amended) A method for planning a delivery of a good, comprising:

receiving sales order information by a customer relations management module in a system having distinct modules, the sales order information including a description of the good, a destination location, and a requested delivery date;

determining, by a source, ~~[[an]]~~ availability date dates of the good at a set of source locations comprising ~~[[an]]~~ origin origins for the good, the availability dates being determined independently of the requested delivery date;

selecting a selected source location, by a planner module, from the set of source ~~location~~ locations based on the availability date dates for the good at the set of source ~~location~~ locations;

determining, by a route generation engine module, a set of trips based on a set of geographic routes, transportation service provider information, and the requested delivery date;

selecting, by the route generation engine module, a trip from the set of trips based on a set of criteria; and

scheduling, by a scheduling engine module, the trip based on the requested delivery date, the scheduling comprising scheduling back from the requested delivery date, such that the good is scheduled to be delivered from the selected source location to the destination location substantially close to the requested delivery date.